AXMINSTER Hobby SERIES

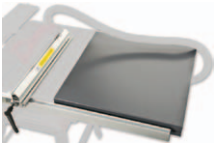
Code **508211**

508213
Leg Stand

TS-250M 250mm Basic Table Saw

Hole assembly instructions including leg stand extension table and sliding table kits

508214
Sliding Table Kit



508212
R/H Extension Table

717540
Table Saw and Accessories

508211
Basic Saw

Product Kit Codes

717540: TS-250M Table Saw and Accessories
508211: TS-250M Basic Saw
508213: TS-250M Leg Stand
508212: TS-250M R/H Extension Table Kit
508214: TS-250M Sliding Table Kit

AXMINSTER 3 THREE YEAR GUARANTEE

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Declaration of Conformity

Copied from CE Certificate

The undersigned, Huibo Wang

Authorised by Laizhou Chunlin Machinery Co., Ltd No. 269 Baoshi Road Wenfeng Street Laizhou City, Shandong 261400 P.R. China.

Model Number MJ10-SB250
Circular Saw Bench

Manufactured by Laizhou Chunlin Machinery Co., Ltd. is in compliance with the standards determined in the following Council Directive.

EN 55014-1:2006+A1+A2
EN 61000-3-2 : 2006+A1+A2
EN 61000-3-3 : 2008
EN 55014-2 : 1997+A1+A2

Warning

The symbols below advise that you follow the correct safety procedures when using this machine.

Fully read manual and safety instructions before use

Ear protection should be worn

Eye protection should be worn

Dust mask should be worn

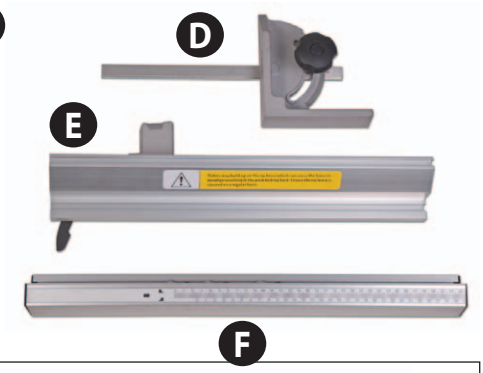
HAZARD Motor gets hot

Quantity	Item	Part	Model Number MJ10-SB250
	(Basic Table Saw Assembly)		(Kit Code: 508211)
1 No	Basic Table Saw	A	
1 No	Saw Guard with Flexible Hose	B	
1 No	Dust Extraction Moulding		
	with four Phillips Screws	C	
1 No	Mitre Fence Assembly	D	
1 No	(Short) Rip Fence and Clamping Assembly	E	
1 No	(Short) Fence Rail with Scale	F	
1 No	Bag Containing	G	
2 No	Screwdrivers	G1	
1No	Hose Clip	G2	
2 No	10-12mm Spanners		
1 No	13-15mm Spanner	G3	
1 No	17-19mm Spanner		
1 No	3mm and 4mm Hex Keys	G4	
1 No	Push Stick	G5	
2 No	Operating Wheel Handles	G6	
	(Optional Stand Assembly)		(Kit Code: 508213)
4 No	Leg A" Frames	H	
4 No	Long Struts	I	
4No	Short Struts	J	
4 No	Rubber Feet	K	
1 No	Bag Containing	L	
32 No	M8x16mm Coach Bolts with Nuts	L1	
4 No	M8x16mm Bolts with Large Washer and Nut	L2	
	(Optional R/H Extension Table Assembly)		(Kit Code: 508212)
1 No	Extension Table	M	
2 No	(Long) Front and Rear Fence and Table		
	Extension Rail arms	N	
1 No	Bag Containing	O	
6 No	M6x25mm Panhead Phillips Screws	O1	
6 No	M6x25mm Panhead Phillips Screws with Square Nuts	O2	
6 No	M6x16mm Panhead Phillips Screws with Square Nuts	O3	
3 No	M6x16mm Bolt Washer and Nut	O4	
1 No	30mm Hose Support Bracket	P	
1 No	(Long) Rip Fence Assembly	Q	
	(Optional Sliding Table Assembly)		(Kit Code: 508214)
1 No	Angle Fence	R	
1 No	Angle Fence End Block with two Phillips screws	R1	
1 No	Work Clamp Assembly	S	
1 No	Flip Over Stop	T	
1 No	Work Clamp and Connecting Blocks	U	
2 No	Sliding Carriage Support Arms	V	
1 No	Bag Containing	W	
4 No	M6x35mm Bolt and nut	W1	
4 No	M6x45mm Countersunk Head and Washer/Nut	W2	
4 No	M6x16mm Bolt and Washer/Nut	W3	
2 No	M8x10mm Bolt and Domed Nut (Carriage Arm Stop)	W4	
1 No	Carriage Arm	X	
1 No	Sliding Carriage Table	Y	

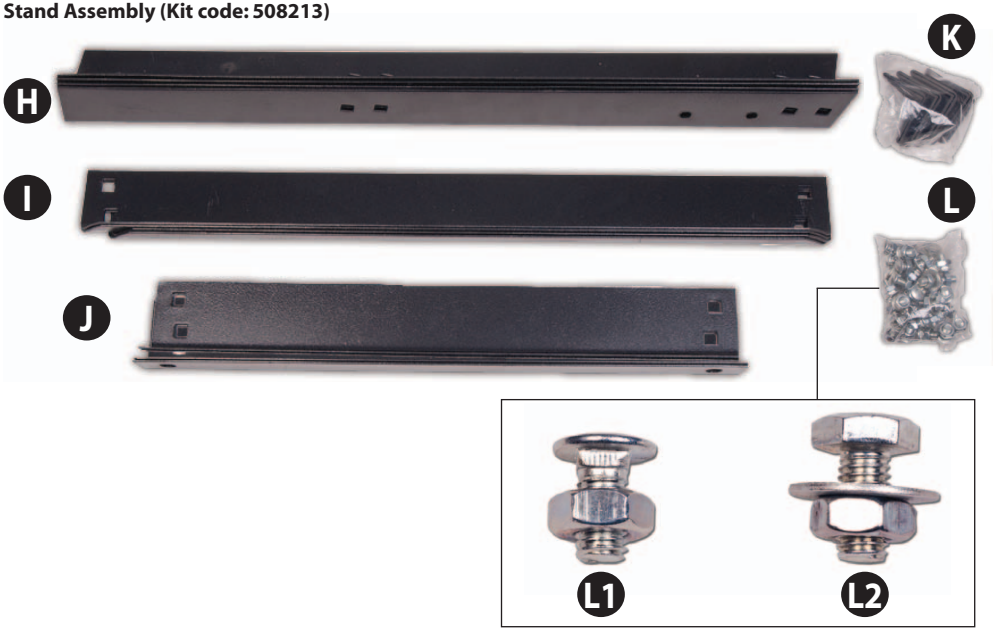
What's Included

Having unpacked your saw and its accessories please dispose of any unwanted packaging properly. The packaging is biodegradable.

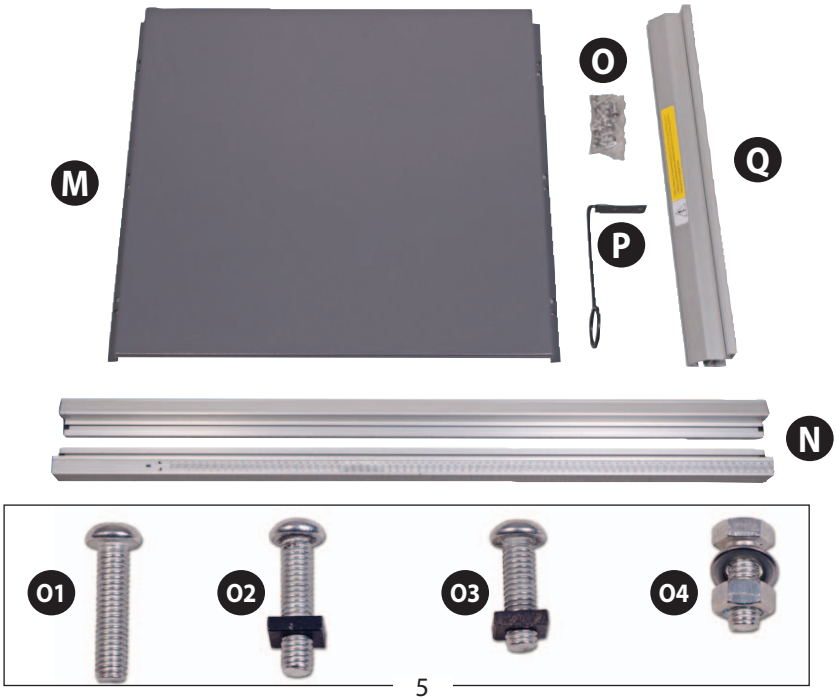
Basic Table Saw (Code: 508211)



Stand Assembly (Kit code: 508213)

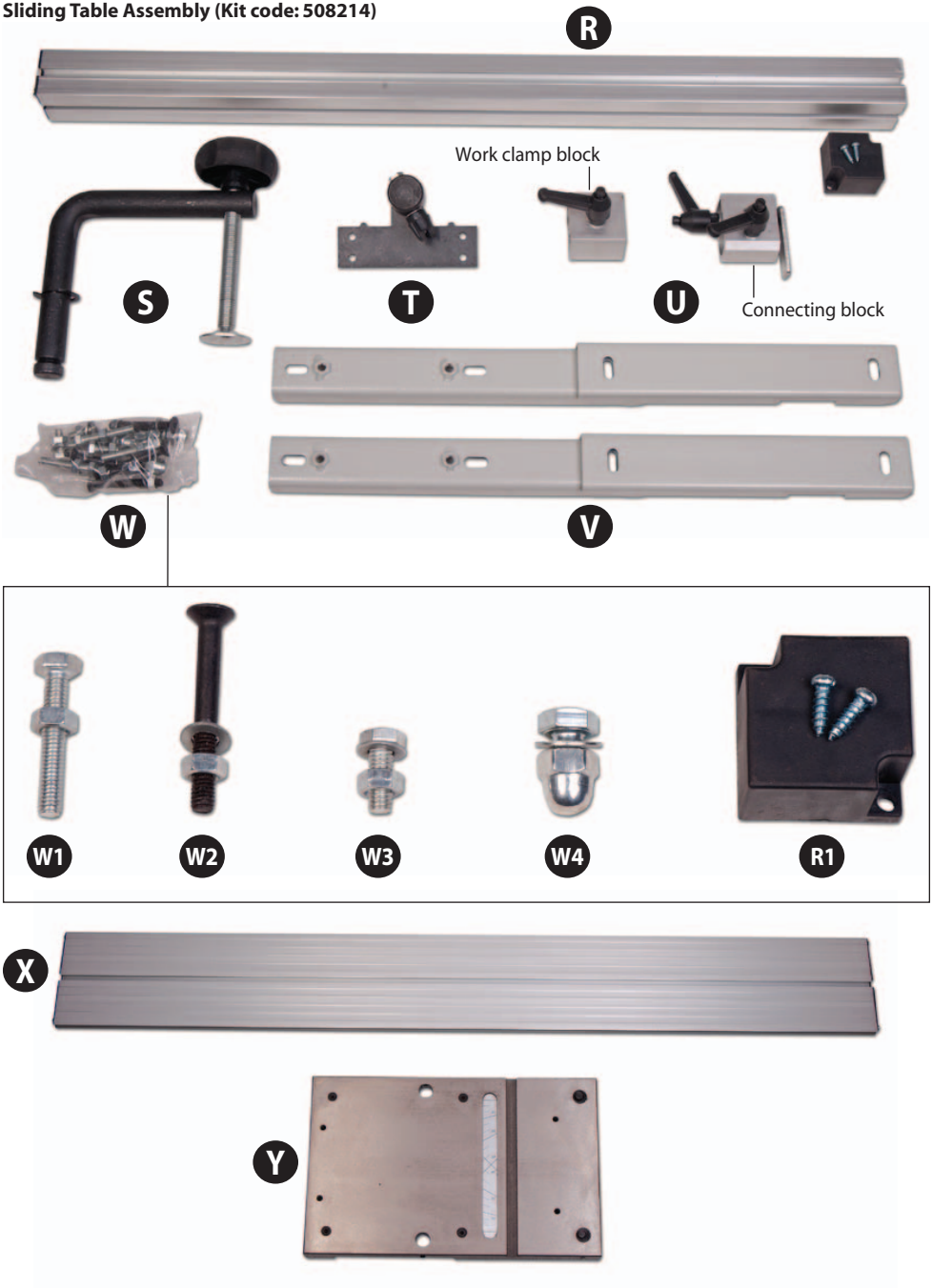


R/H Extension Table Assembly (Kit code: 508212)



Optional Accessories

Sliding Table Assembly (Kit code: 508214)



Good Working Practices/Safety

The following suggestions will enable you to observe good working practices, keep yourself and fellow workers safe and maintain your tools and equipment in good working order.

WARNING! KEEP TOOLS AND EQUIPMENT OUT OF THE REACH OF YOUNG CHILDREN

Primary Precautions

These machine are supplied with a moulded 13 Amp. Plug and 3 core power cable. Before using the machine inspect the cable and the plug to make sure that neither are damaged. If any damage is visible have the tool inspected/repaired by a suitably qualified person. If it is necessary to replace the plug, it is preferable to use an 'unbreakable' type that will resist damage on site. Only use a 13 Amp plug and make sure the cable clamp is tightened securely. Fuse as required. If extension leads are to be used, carry out the same safety checks on them and ensure that they are correctly rated to safely supply the current that is required for your machine.

Work Place/Environment

Make sure when the machine is placed that it sits firmly on the floor, that it does not rock and is sufficiently clear of adjacent obstacles so that cutting operations will not be impeded. Check you have adequate clearance both in front of and behind the machine when cutting long stuff. If you are liable to be processing unwieldy or awkward work pieces, it is suggested that you consider fastening the machine down to the floor.

The machine is not designed for sub-aqua operation, do not use when or where it is liable to get wet. If the machine is set up in the open, and it starts to rain (unusual though this would be in U.K.), cover it up or move it into the dry. If the machine has got wet; dry it off as soon as possible with a cloth or paper towel. Do not use 230V a.c. powered machines anywhere within a site area that is flooded or puddled and do not trail extension cables across wet areas. Keep the machines clean; it will enable you to more easily see any damage that may have occurred. Clean the machine with a damp soapy cloth if needs be, do not use any solvents or cleaners, as these may cause damage to any plastic parts or to the electrical components. Keep the work area as uncluttered as is practical, this includes personnel as well as material.

UNDER NO CIRCUMSTANCES SHOULD CHILDREN BE ALLOWED IN WORK AREAS.

It is good practice to leave the machine unplugged until work is about to commence, also make sure to unplug the machine when it is not in use or unattended. Always disconnect by pulling on the plug body and not the cable. Once you are ready to commence work, remove all tools used in the setting operations (if any) and place safely out of the way. Re-connect the machine.

Carry out a final "tightness" check e.g. guide fence, table tilt, etc., check that the 'cutting path' (in this case the path that the work piece will travel) is unobstructed.

Make sure you are comfortable before you start work; balanced, not reaching etc.

If the work you are carrying out is liable to generate flying grit, dust or chips wear the appropriate safety clothing, goggles, gloves, masks etc. If the work operation appears to be excessively noisy, wear ear-defenders. If you wear your hair in a long style, wearing a cap, safety helmet, hair net, even a sweatband, will minimise the possibility of your hair being caught up in the rotating parts of the tool. Likewise, consideration should be given to the removal of rings and wristwatches, if these are liable to be a 'snag' hazard. Consideration should also be given to nonslip footwear, etc.

Do not work with cutting tools of any description if you are tired, your attention is wandering or you are being subjected to distraction. A deep cut, a lost fingertip or worse; is not worth it!

Do not use this machine within the designated safety areas of flammable liquid stores or in areas where there may be volatile gases. There are very expensive, very specialised machines for working in these areas, **THIS IS NOT ONE OF THEM.**

General Instructions for 230V Machines

Check that blades are the correct type and size, are undamaged and are kept clean and sharp, this will maintain their operating performance and lessen the loading on the machine.

Above all, **OBSERVE….** make sure you know what is happening around you and **USE YOUR COMMON SENSE.**

Specific Instructions/Precaution for the Saw Table

Make sure the saw blade is the correct type for the job in hand. Do not force the saw, if the saw begins to 'stall' you are 'forcing the cut' or over working the saw.

Ensure that the saw blade is clean and sharp.

Resin build up on the blades will increase the friction of the saw passing through the timber, and cause over heating of the blade, blunt teeth will work harder tearing the fibre of the timber as opposed to shearing it, also with subsequent overheating. Both faults unnecessarily load the machine beyond normal usage, and shorten its longevity.

Do not use blades that are deformed in any way.

Do not remove the blade guard. The design of the riving knife on the machine will not allow for slotting or 'blind' grooving, so there is no reason to remove the guard.

Do not remove the riving knife.

Do not use any blades that cut a smaller kerf than the riving knife thickness. Make sure the riving knife is correctly adjusted to the blade and is securely fastened. If the table insert becomes damaged or broken, and will not support the timber 'up close' to the blade, replace it.

Do not start the saw with the work piece touching the blade.

Do not commence sawing until the blade has run up to full speed.

After switching off, never try to slow the saw down more quickly by applying side pressure (with a piece of wood?) to the blade. Apply the old joiner's adage of never getting hands within one handbreadth of the blade. Leave the machine disconnected from the mains supply until you are about to commence work. Always disconnect the machine if you are leaving it unattended.

Never leave the vicinity of the machine unless the blade has come to a complete stop.

Do not attempt to carry out any maintenance, corrective work, setting up etc., unless the machine is disconnected from the mains supply. If any tools have been used during setting up procedures, make sure they are removed from the machine and stowed safely away.

Do not attempt to carry out cross cutting operations 'freehand', always use the mitre fence for small stuff and the sliding carriage for larger work pieces. Unless you are an experienced machine operator, do not attempt to 'rip' freehand, always use the guiding facility of the rip fence.

It is perfectly acceptable to support guide and feed the timber with your hands whilst ripping stuff of some length, however, as you approach the blade ensure that the push stick is to hand, and you use it.

Remember the emphasis of the 'push' should be between the blade and the fence and close to the fence. Use your free hand to support and guide the material on the offside of the saw blade and at least 100mm away from it. If the timber does not extend to at least 100mm to the offside of the saw blade, the material possibly? does not need guiding or supporting.

Check (especially on site), that there are no foreign objects e.g. old nails, screws, small stones etc embedded in the material you are about to cut. If necessary take a wire brush to the timber before working.

Specification

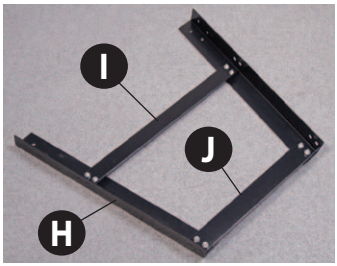
Code	508211
Model	TS-250M Basic
Rating	Hobby
Power	1.5kW 230V 1ph
Blade Dia/Bore	250mm/30mm
Blade Tilt	0° to 45°
Max Depth of Cut @ 45˚	60mm
Max Depth of Cut @ 90˚	80mm
Max Width of Cut with Fence	160mm standard, 760mm with R/H Table Kit
Table Size	635 x 430mm
Table Height	360mm
Dust Extraction Outlet	100mm
Min Extraction Airflow Required	750m³/hr
Overall L x W x H	660 x 480 x 400mm
Weight	80kg

Assembly

Optional Stand Assembly (Kit Code 508213)

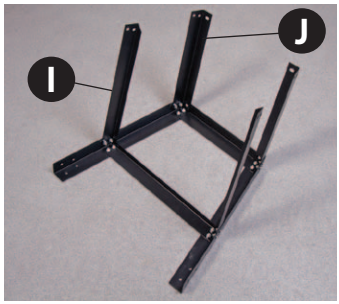
Fig 01

Locate and identify the four leg "A" frames (H), the long struts (I) and the short struts (J) for the stand, and the packet containing 32 M8 x 16mm coach bolts, washers and nuts,(L1).



Using the M8 x 10mm coach bolts, nuts and washers bolt together two 'A' frames using two legs (H) one long strut (I) in the middle and one short strut (J) at the top. 'finger tighten' the nuts only at this time, see fig 1.

Fig 02



When the two 'A' frames have been assembled, select one, turn it upside down on a flat surface and loosely bolt the 'short struts' (J) and long struts (I) in place, see fig 2. Attach the other "A' frame and loosely tighten.

When all the components are assembled, turn the stand over and place the four rubber feet (K) to the ends of the 'A' frames. (See fig 3) Upright the frame and stand on the floor, see fig 4.

NOTE: GO ROUND THE FRAME AND FINGER TIGHTEN THE NUTS AT THIS POINT!

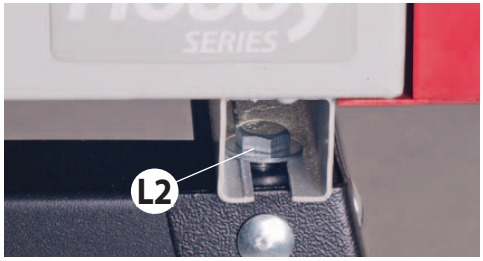
Fig 03

Mounting the Saw Bench to the Stand

1). With assistance, place the Saw Bench (A) onto the stand. Align the four mounting holes at the base of the Saw Bench with the four mounting holes at each corner of the stand. Using four M8 x 16mm hex bolts, large washers & nuts (L2) secure the Saw Bench to the stand, see figs 05-06-07.

Fig 05

Fig 06-07



2). Now tighten all the nuts on the stand assembly.

Optional Sliding Carriage Table (Kit Code 508214)

1). Position one carriage support arm (V) to the underside of the cast iron saw bench (A), line up the clearance holes (a) in the support arm with the pre-drilled holes in the table, using four M6 x 45mm countersink heads and nuts, (W2) secure the support arm to the table using a 4mm Hex key (G4), see figs 08-09-10. Repeat for the remaining arm.

Fig 08

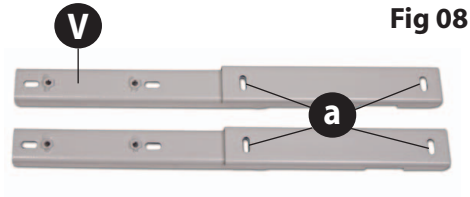
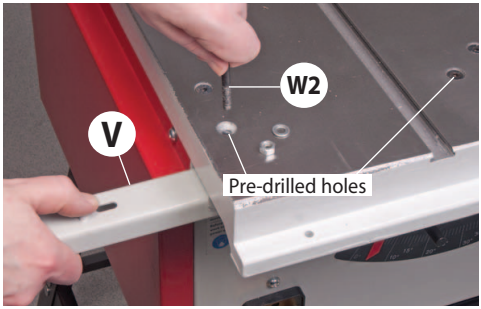


Fig 09-10



2). Place an M6x16mm Hex bolt (W3) in each of the four clearance holes on both support arms (V) and loosely screw on an M6 nut and washer, see fig 11.

3). Locate the four M6x30mm Hex Bolts (W1) and lightly screw each bolt into the threaded holes to the underside of the carriage arm (X), see fig 12.

NOTE: Only screw on the bolts just enough so they are just below the surface of the threaded nut, see fig 11.

4). Line up the Hex bolts (W3) with the 'T' slots in the carriage arm (X) and slide on the carriage arm, see fig 13.

Fig 11

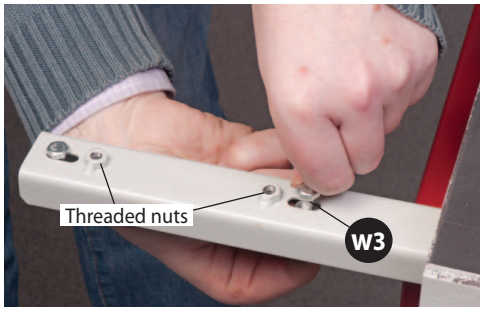
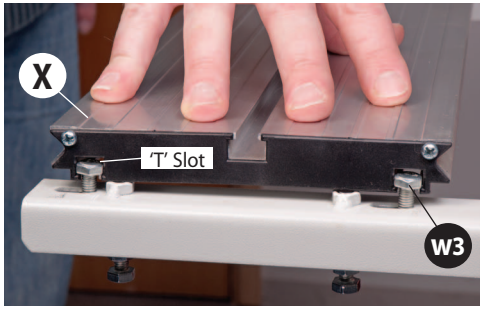


Fig 12

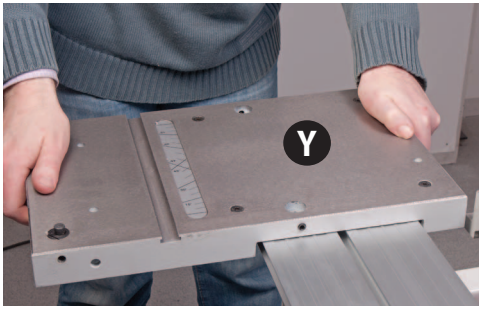
Fig 13

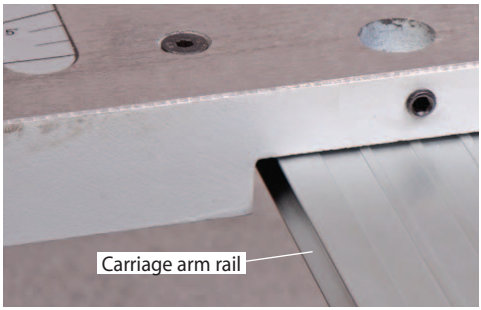


5). Locate the sliding carriage table (Y) and slide it onto the carriage arm (X), see fig 14.

Make sure the wheels on carriage table engages correctly onto the carriage arm rails, see fig 15.

Fig 14-15





6). Slide the carriage table (Y) to one end of the saw table (A), place a Level across both tables and adjust the M6 Hex bolts (W1) until the sliding carriage table (Y) is level with the table saw table (A), see fig 16. Repeat for the opposite side. When both tables are level tighten the four M6 Hex nuts (W3) to secure the sliding arm (X) in position.

Fig 16

Continues Over...

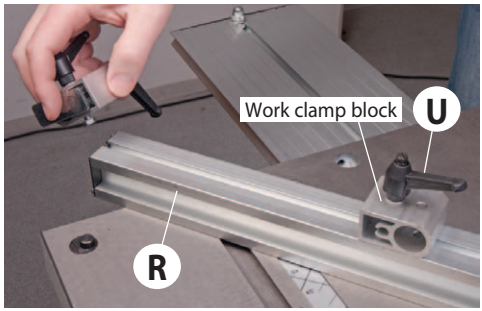
7). Locate the two carriage arm stops (W4), loosen the domed nuts and slide the bolt heads into each end of the carriage arms 'T' slot. Tighten the nuts to lock the stop in place, see fig 17.

Fig 17

Angle Fence

1). Put to hand the work clamp block (U), and slide it into the T-slot on the angle fence (R). Locate the connecting block (U) and slide it onto the angle fence as before, see figs 18-19. Slide the T-bolt on the base of the connecting block (U) into the T-slot on the sliding carriage table (Y), see figs 20-21. Locate the plastic block and Phillips screws (R1), secure it to the end of the angle fence (R), see fig 22.

Fig 18-19



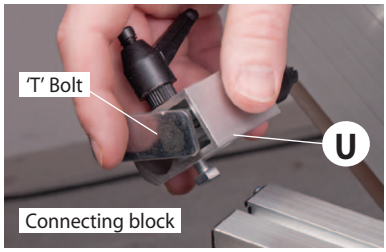
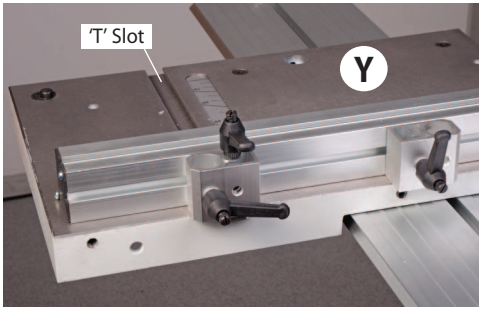


Fig 20-21



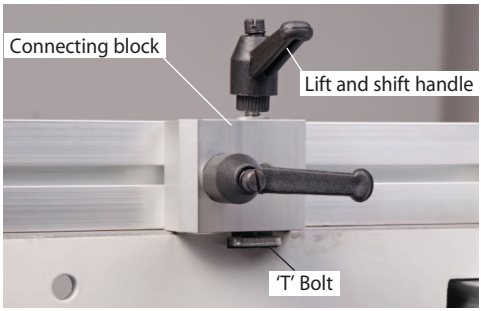
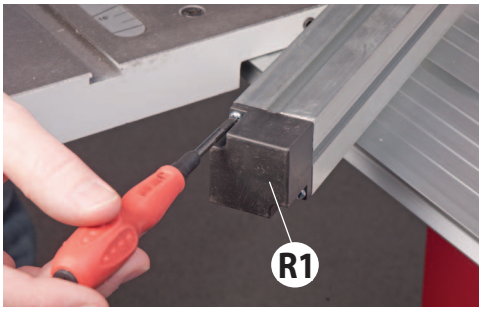


Fig 22



The picture above shows the angle fence (R) removed from the carriage table for clarity.

2). Locate the work clamp (S), slot the work clamp into the 20mm hole in the work clamp block (U), secure in position with the lift and shift handle, see fig 23. To set the angle fence at 90˚, push the angle fence (R) up against the stop, see fig 24.

3). Make sure the plastic block on the end is just missing the blade. Using a 90˚ square check that the blade is at 90˚ to the angle fence (R), see fig 25. When correct tighten the lift and shift handle on the

Fig 23

Fig 24

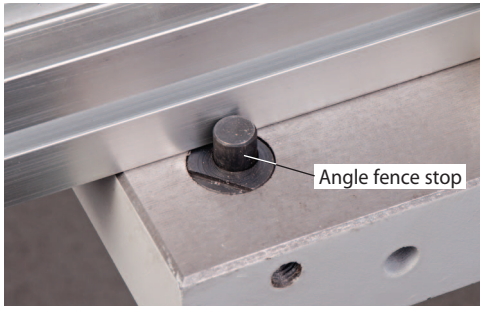
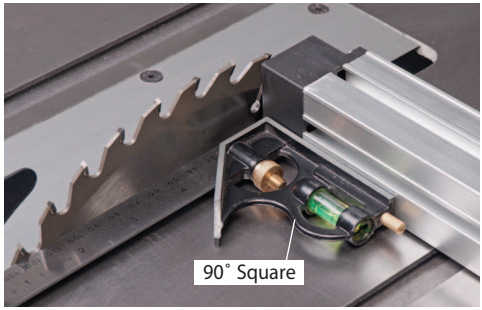


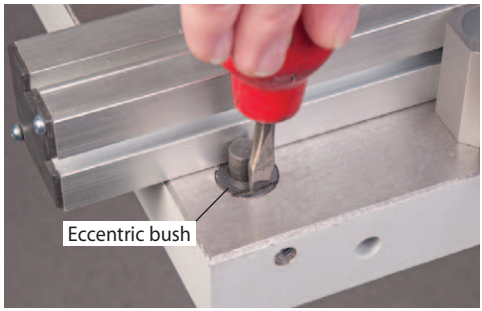
Fig 25



connecting block (U), see fig 21. If the angle fence (R) is not set to 90˚, undo the grub screw to the side of the sliding carriage table (Y), using a flat screwdriver turn the eccentric bush until the angle is correct, see figs 26-27.

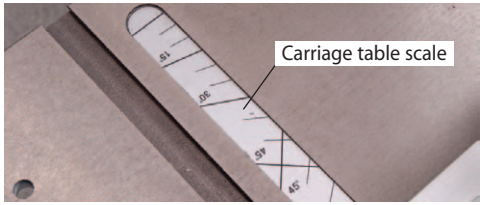
4). To set the angle fence (R) to angles between 45˚ and 90˚ loosen the three lift and shift handles on the connecting and work clamp blocks (U) and set the fence to the required angle on the scale on the

Fig 26-27



carriage table (Y), see figs 28-29. Tighten the three lift & shift handles to lock the angle fence in position. **Note: The fence can also be used at the rear of the sliding carriage table if you prefer to push the timber against the fence.**

Fig 28-29



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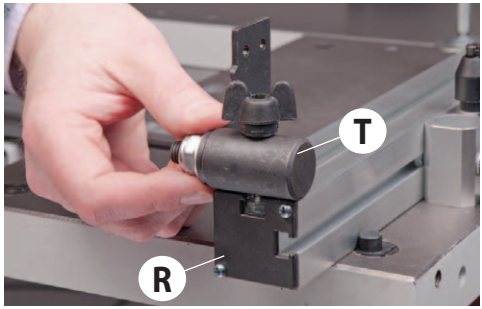
5). Locate the flip over stop (T) and slide it into the T-slot on top of the angle fence (R), see fig 30. Tighten the butterfly knob.

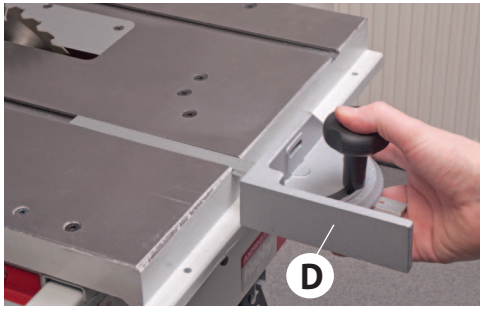
Fig 30



Mitre Fence

Locate the Mite fence assembly (D) and slide it into one of the saw tables "T" slots, see fig 31.

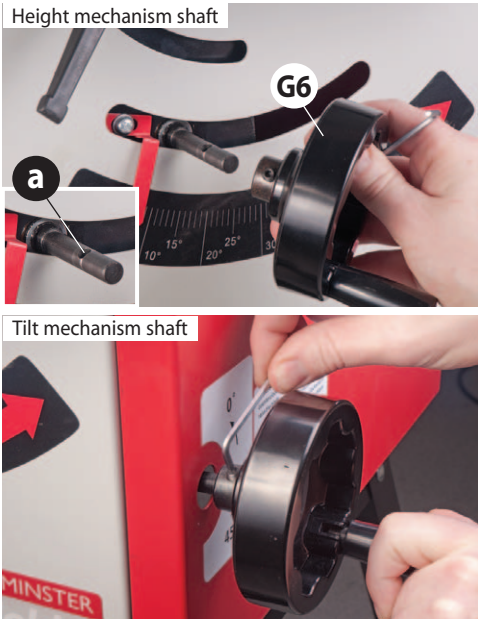
Fig 31



Operating Wheel Handles

Locate the two operating wheel handles (G6) and, using the supplied 3mm Hex key (G4), secure one to the height mechanism shaft to the front of the saw by undoing the grub screw on the operating wheel handle (G6) and sliding it onto the shaft, making sure the grub screw is in line with machined slot (a), in the shaft. Retighten the grub screw. Repeat for the tilt mechanism to the right hand side of the saw, see figs 32-33.

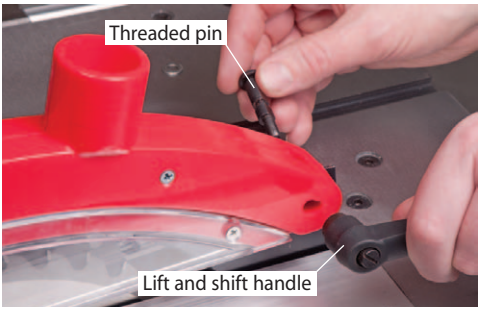
Fig 32-33



Saw Guard

Find the saw guard (B), remove the flexible hose, remove the lift and shift handle and threaded pin from the guard and place safely aside. Slot the saw guard over the riving knife and line up the pre-drilled holes, replace the threaded pin and handle then lightly tighten **(DO NOT OVERTIGHTEN)**, see fig 34.

Fig 34

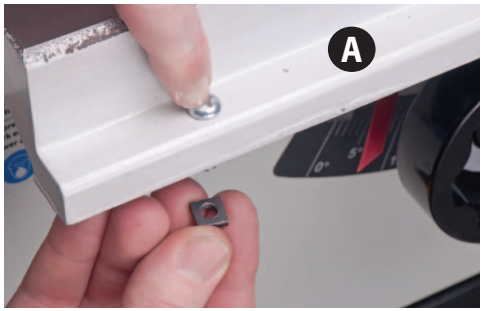


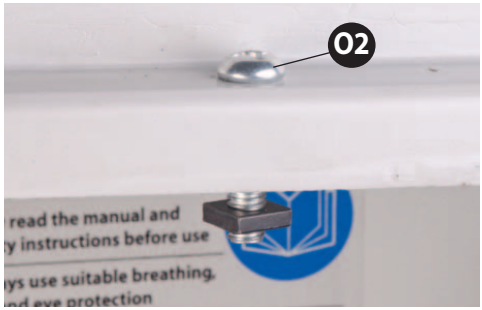
Optional Extension Table (Kit Code 508212)

NOTE: KIT CODE 508211 COMES WITH THE FENCE SUPPORTING ARM ONLY AND DOES NOT INCLUDE THE REAR SUPPORTING ARM!

1). Put to hand six M6 x 25mm Phillip head screws with square nuts (O2), remove the nuts and place the screws into the three holes to the front and rear of the main saw table (A). Replace the nuts. **(Note: Leave a gap between the base of the table and nut)**, see figs 35-36.

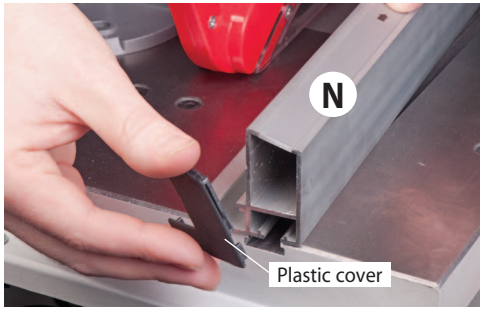
Fig 35-36





2). Locate the two extension rail support arms (N). Remove the plastic cover to the left hand side of the support arm with the scale, see fig 37. Line up the 'T" slot to the end of the rail arm and slot it over the M6 nuts, see fig 38. Push the extension rail so it is flush with the end of saw table (A) and lightly secure the extension support arm using a Phillips screwdriver, see fig 39. Replace the plastic cover you removed earlier, see fig 40. Repeat for the other extension support arm.

Fig 37-38



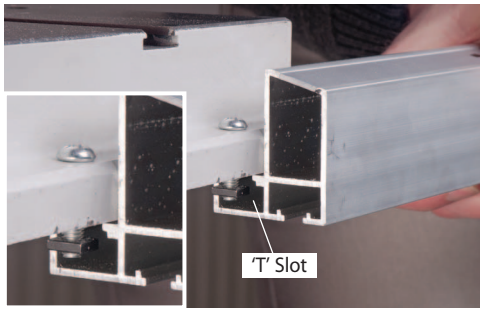
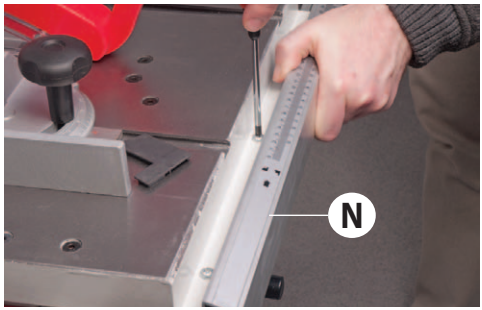
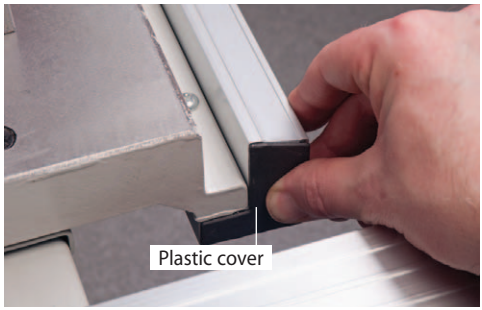


Fig 39-40

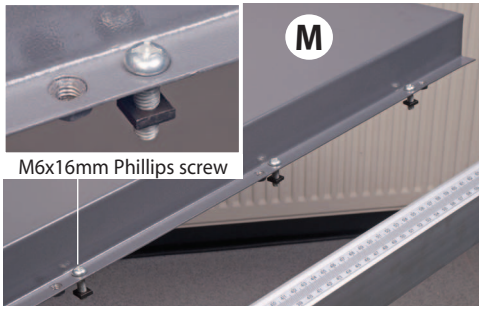




Continues Over...

3). Put to hand six M6 x 16mm Phillip head screws with square nuts (O3), remove the nuts and place safely aside. Slot the screws into each of the 6 holes on the extention table lip (M), replace the square nuts, see figs 41-42. **(Note: Leave a gap between the base of the extension table lip and nut)**

Fig 41-42



4). Remove the plastic covers from the ends of the two extension table support arms (N), see fig 43. Offer up the M6 nuts to the support arms T-slots and slide on the extension table (M) into the support arms (N). Push the extension table (M) until it is flush up against the saw table (A), place six Phillips screws (O1) into the captive nut locations, place a level between both tables, adjust the screws (O1) until both tables are level. Tighten the six M6 Phillips screws (O3) to clamp the extension table to the supporting arms (N). Replace the plastic covers you removed earlier, see figs 44-45-46-47.

Fig 43

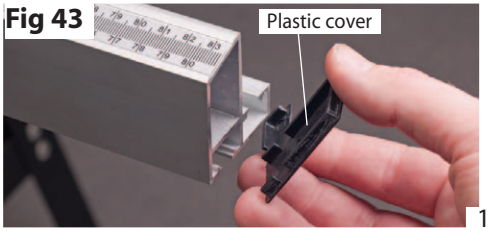


Fig 44

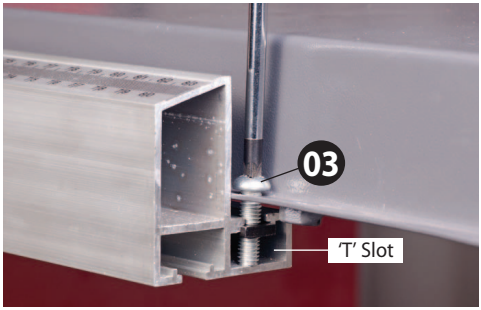


Fig 45

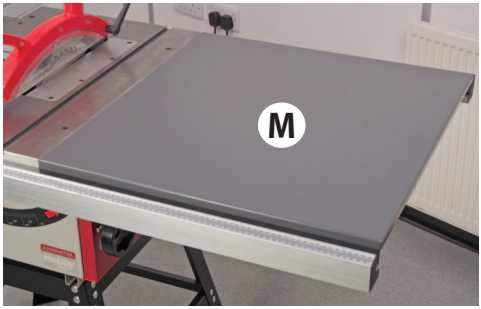


Fig 46

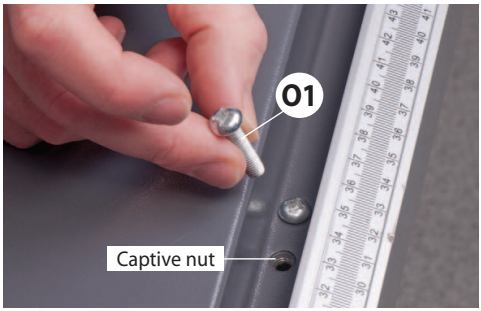
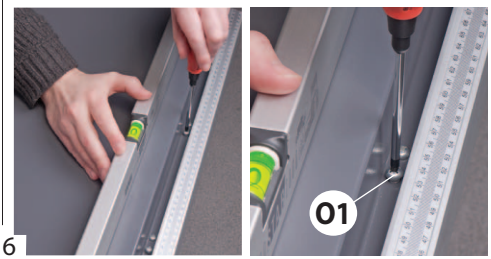


Fig 47

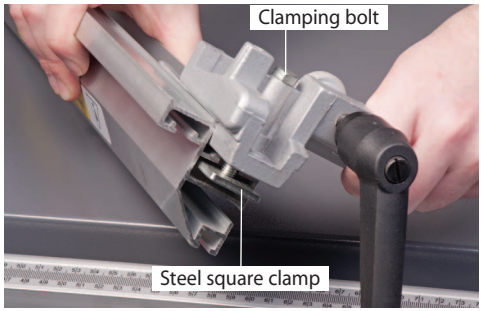


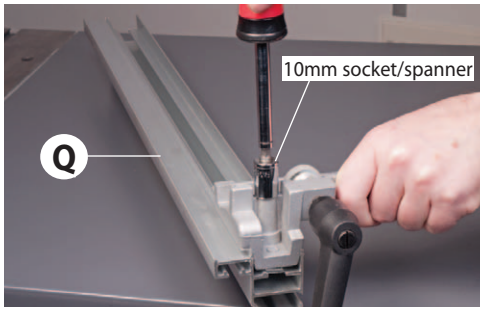
Rip Fence

NOTE: THIS ASSEMBLY OLNY APPLIES IF YOU HAVE PURCHASED KIT CODE: 508212

1). Remove the fence clamp assembly from the rip fence (E) by lossening the clamping bolt to the base of the asssebly. using a 10mm socket/spanner. Locate the rip fence (Q), slot the steel square clamp into the T-slot to the end of the rip fence and tighten the bolt, see figs 48-49.

Fig 48-49

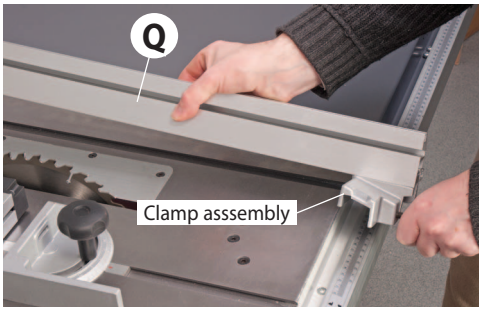


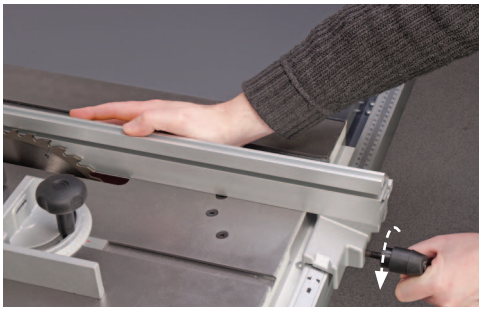


2). Lower the fence assemby so the clamp assembly slots over the fence extention table support arm (N). Clamp the fence assembly in position by turning the lift and shift handle clockwise, see figs 50-51.

Note: Lubricate the Fence supporting arm (N) and the underside of the clamp assembly so the rip fence assembly runs smoothly back and forth.

Fig 50-51



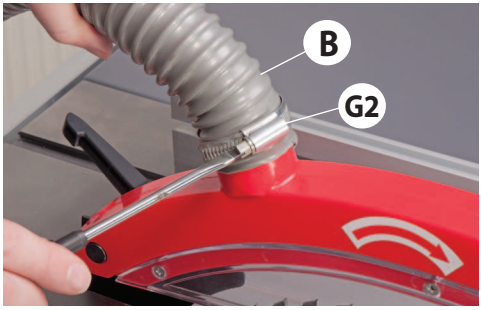


Dust Extraction

1). Locate 30mm hoses (B), hose clips (G2), 100mm dust extraction moulding with four Phillips screws and washers (C).

2). Place one of the hose clips over one end of the 30mm hose and fit the hose over the table saws dust extraction outlet and nip tight, see fig 52.

Fig 52



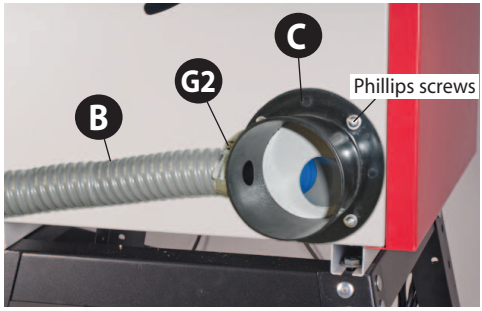
DO NOT OVERTIGHTEN as the guard is only plastic!

Continues Over...

3). Line up the holes in the extraction moulding (C), with the threaded holes to the rear of the saw table (A) and secure in place with the Phillips screw and washers, see fig 53.

4). Slide the remaining hose clip over one end of the 30mm hose and fit the hose over the table saws 30mm dust extraction moulding outlet and nip tight, see fig 53.

Fig 53



Code 508212 Only

5). Locate 30mm hose support bracket (P) and two M6x16 Hex bolts, washers and nuts (O4). Remove the plastic cover from the end of the rear extension table support arm (N) and place safely aside. Remove the nuts and washers from the Hex bolts, introduce the bolts through the pre-drilled holes in the support bracket plate (P) and replace the washers and nuts, see fig 54.

NOTE: Leave a gap between the Hex bolt head and support bracket plate for the next step.

Fig 54

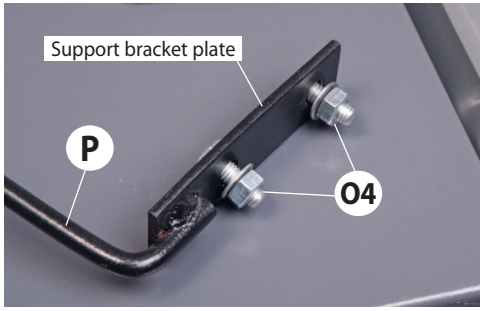


Fig 55

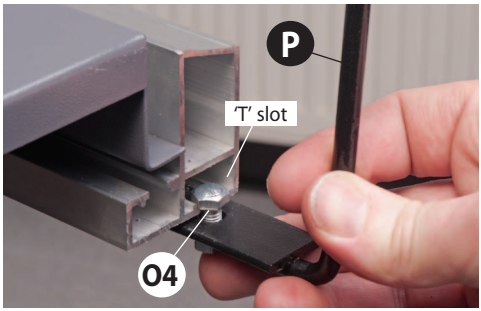
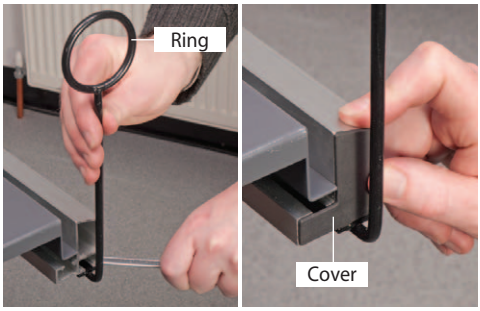


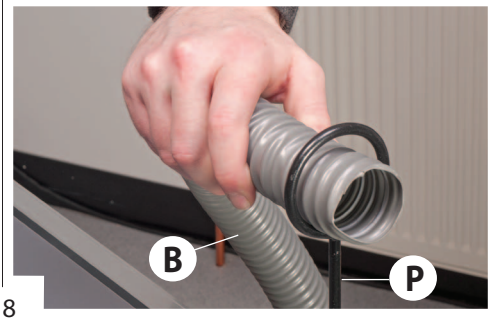
Fig 56-57

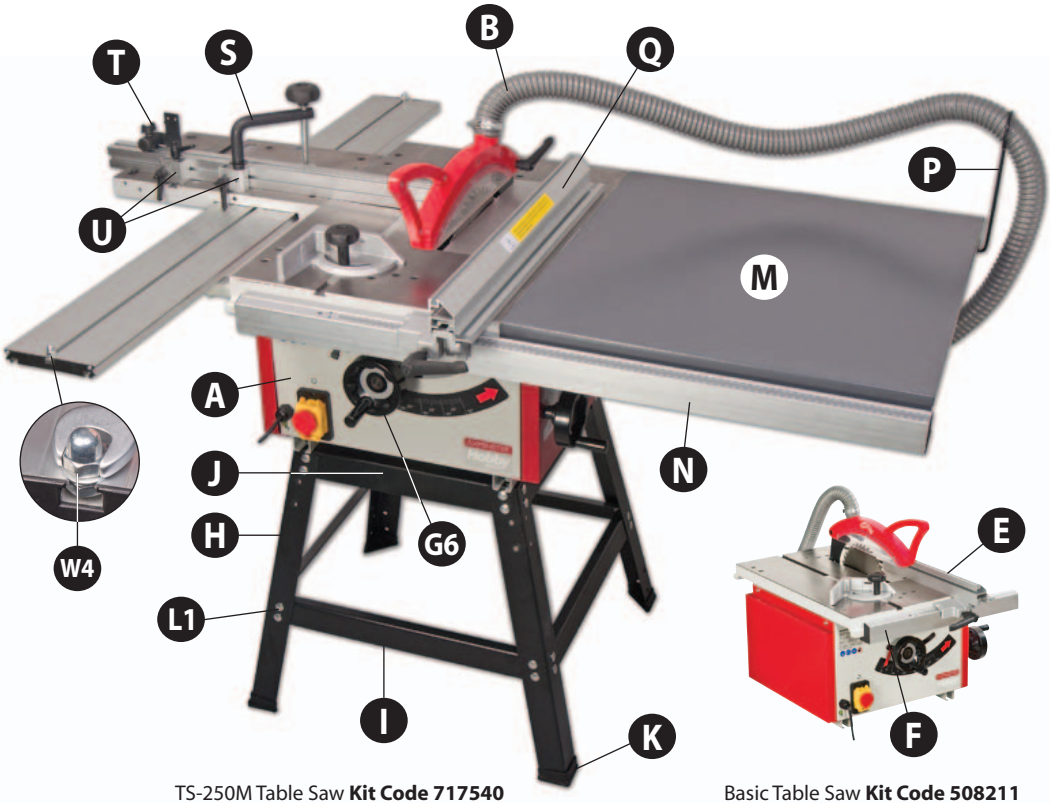


6). Turn the bracket support (P) so the ring is facing upwards, line up the two Hex bolts (O4) with the 'T' slot and slide the support bracket assembly on. Leave sufficant space to replace the plastic cover. Tighten the Hex nuts to sercure the assembly, see figs 55-56. Replace the cover to the end of the support arm, see fig 57.

7). Slot the flexible hose (B) through support ring (P), see fig 58 and secure it to the extraction moulding (C) as described in step 3.

Fig 58





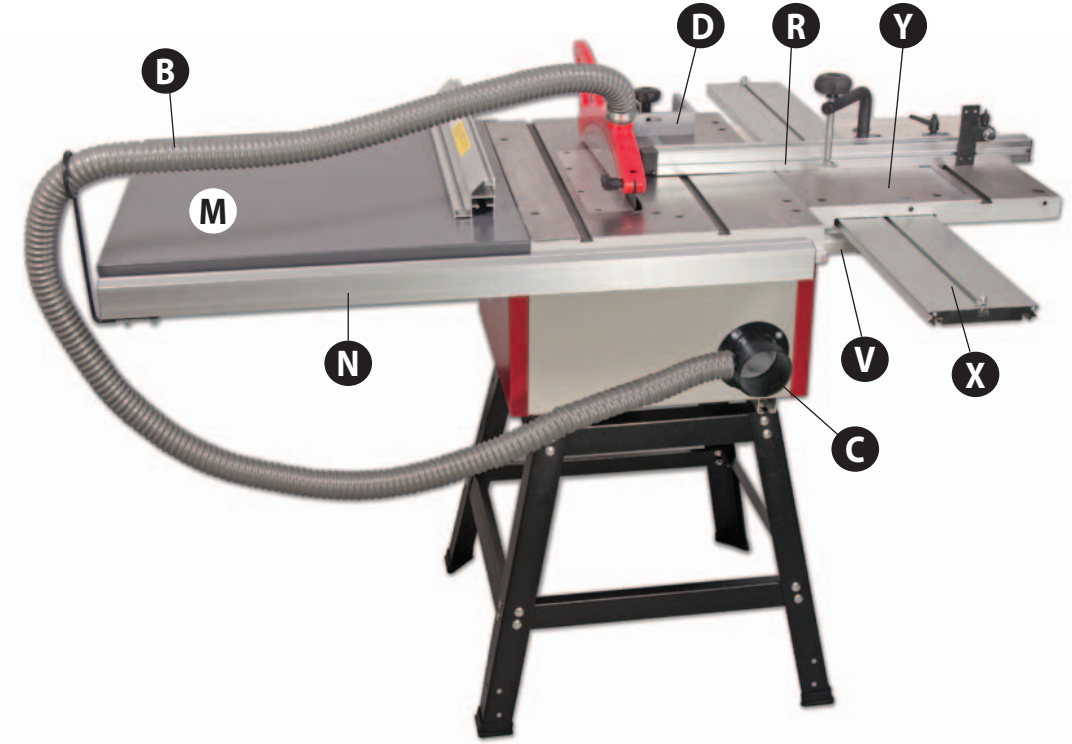
TS-250M Table Saw **Kit Code 717540**

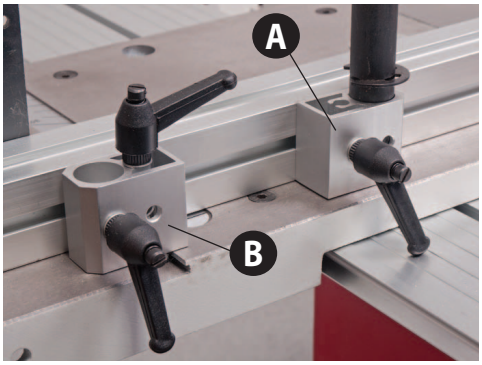
Basic Table Saw **Kit Code 508211**

	Part Description		Part Description
A	Basic Table Saw	**M**	Extension Table
B	Saw Guard with Flexible Hose	**N**	Long Fence and Table Extension Rail Arms
C	50-100mm Dust Extraction Moulding (see page 20)	**P**	30mm Hose Support Bracket
D	Mitre Fence (see page 20)	**Q**	Long Rip Fence Assembly
E	Short Rip Fence and Clamping Assembly (not shown)	**R**	Angle Fence (see page 20)
F	Short Fence Rail with Scale (not shown)	**S**	Work Clamp Assembly
G6	Operation Wheel Handles	**T**	Flip Over Stop
H	Leg 'A' Frames	**U**	Work Clamp and Connecting Blocks
I	Long Struts	**V**	Sliding Carriage Support Arms (see page 20)
J	Short Struts	**W4**	Carriage Arm Stop
K	Rubber Feet	**X**	Carriage Arm
L1	M8x16mm Coach Bolt	**Y**	Sliding Carriage Table

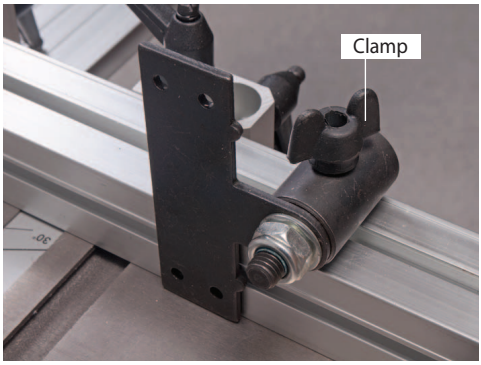
Continues Over...

Illustration and Parts Description

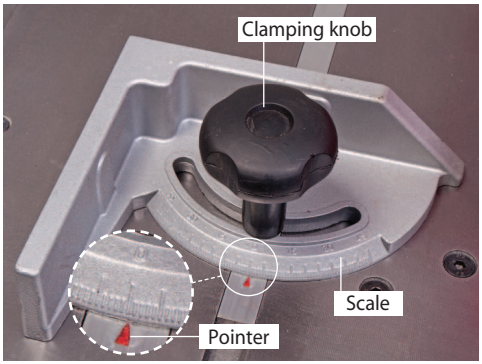




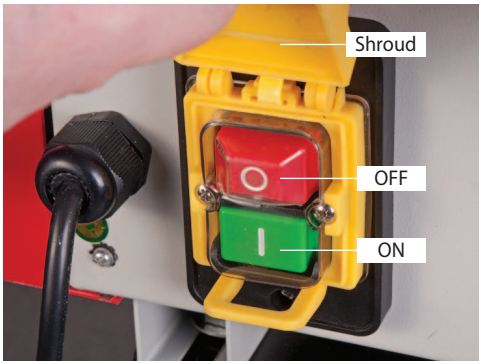
Work clamp block (A) and connecting block (B)



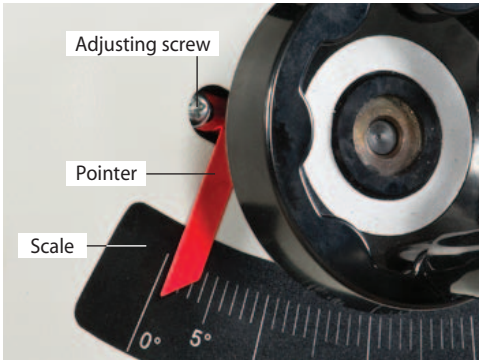
Flip over stop assembly



Mitre fence assembly

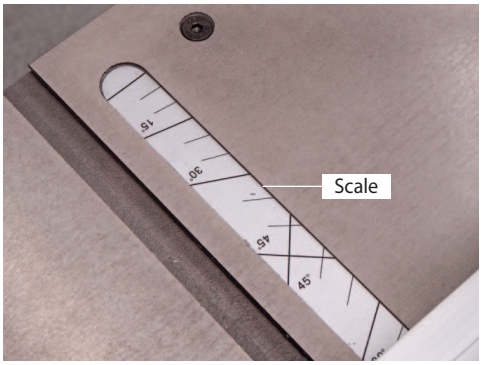


NVR ON/OFF switch with emergency stop shroud



Tilt scale pointer and adjusting screw

Tilt operating handle



Carriage table scale for measuring set angles

Rise and fall operating handle and the clamping handle for the tilt mechanisum

The Riving Knife

1). Raise the saw blade to its highest point and remove the saw blade guard, see fig 34 on page 14.

2). Remove the four Hex screws and place carefully aside, remove the table insert, see fig 59. Using the spanner provided loosen the riving knife and adjust until the tip of the riving knife is no more than 8mm away from the saw blade and re-tighten, see fig 60.

NOTE: Check that the riving knife is parallel to the saw blade by placing the fence up against them. (See fig 61).

Fig 59

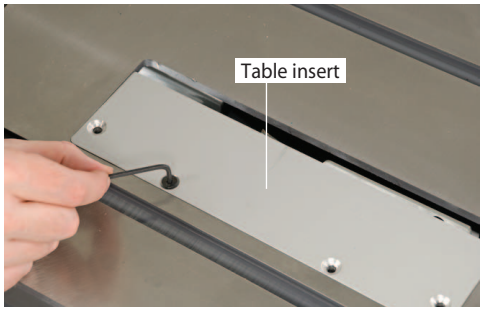
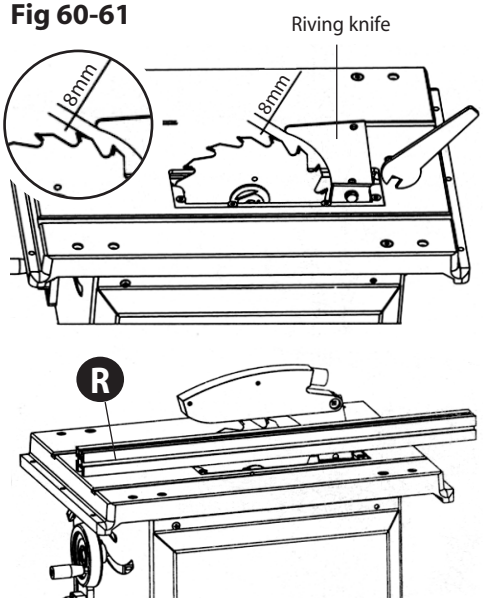


Fig 60-61



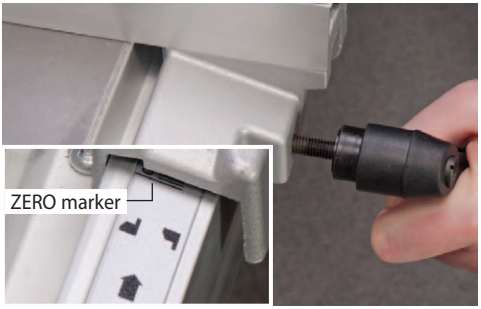
Adjusting the Rip Fence to the Blade

The fence assembly must be parallel to the saw blade for producing accurate cuts.

1). Loosen the fence clamping handle and slide the fence assembly up against the saw blade and check it reads "ZERO" on the fence rail (F) or on the table extension support arm (N), see fig 62.

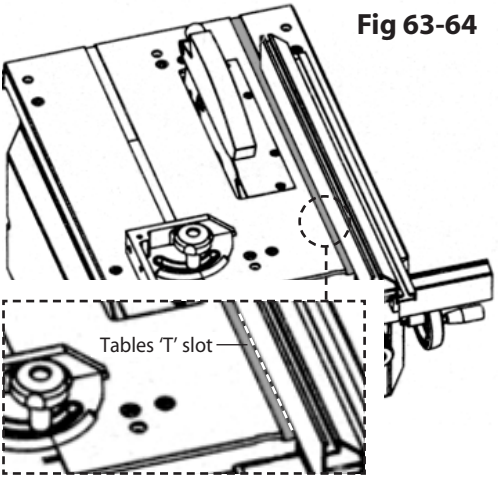
NOTE: If the fence assembly does not line up correctly with the "ZERO" marker on the scale you will need to adjust the fence rails (F-N) until correct.

Fig 62



NOTE: Use the 'T' slot to the right side of the saw blade as a reference to check the fence is parallel, see figs 63-64. Regularly check the fence is parallel to ensure a perfect cut.

Fig 63-64



4). The rip fence (E-Q) can be repositioned to face the opposite direction for guiding thin timber pieces through.

5). Loosen the square clamp bolt beneath the clamp assembly (E-Q), see figs 48-49 on page 17, turn the fence around so the large surface of the fence is pointing away from the blade, re-attach the fence clamp assembly. The two illustrations below, figs 65-66, shows the fence in both positions.

Fig 65-66

The small surface of the fence is for guiding thin timber through.

The small surface of the fence is for guiding thick timber through.

Adjusting the Cutting Height

Adjust the blade height with the hand wheel (G6), see fig 67, so that the blade teeth are protruding through the work piece.

Fig 67

Adjusting the Pivot

Release the locking handle (A), see fig 67-68 the saw can be angled up to a maximum of 45˚ by turning the hand wheel (G6), see figs 68-69.

Fig 68

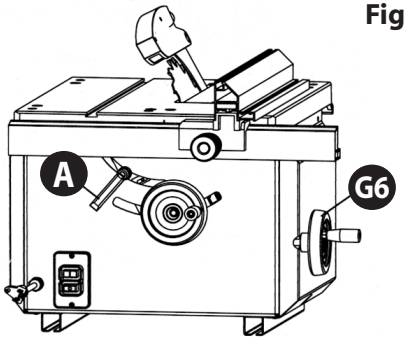


Fig 69

Continues Over...

Setting the Blade Alignment

If the blade is not cutting 100% true, the blade is out of alignment. Follow the instructions below on how to set the blade to the table.

1). Remove the blade guard and table insert, see fig 70.

2). Loosen the four Hex screws (A), see figs 70-71.

3). Place a steel rule up-against one end of the blade and take a measurement to the 'T' slots edge, see fig 72.

4). Place the rule to the opposite end of the blade and take a further reading, see fig 73.

6). If there is any deviations between the measurements,adjust the blade assembly by moving each end on it's rails (B) (beneath the table), see figs 74-75, until both ends of the blade are the same distance away from the 'T' slot edge.

7). Tighten the four Hex scews (A).

8). Replace the blade guard and table insert.

Fig 70-71

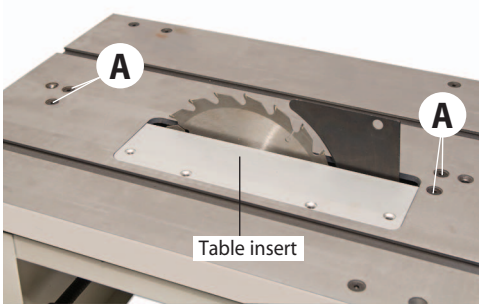


Fig 72

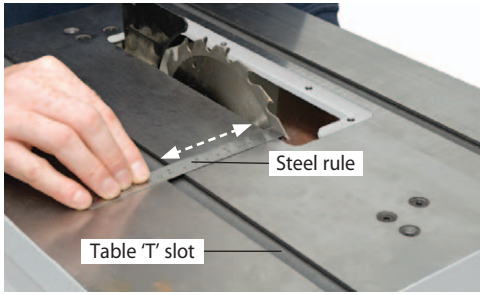
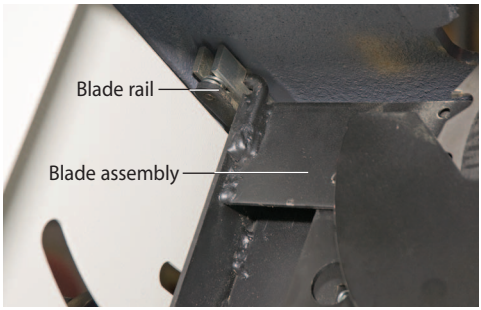
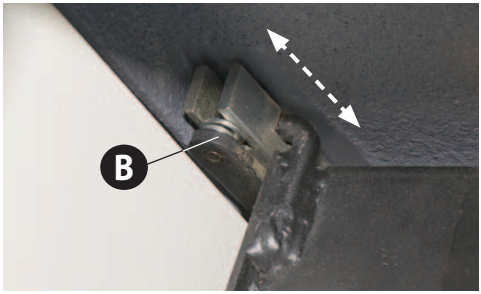


Fig 73

Fig 74-75





NOTE: BEFORE USING YOUR SAW, GO ROUNDAND MAKE SURE EVERYTHING IS SECURE, FASTENED DOWN, THAT ALL TOOLS ARE CLEARED AWAY FROM THE WORK AREA!

CHECK: THE BLADE FOR SHARPNESS,MISSINGTEETH, RESINBUILDUP ECT., CLEAN IF NECESSARY. CHECK THE BLADE IS SECURELY CLAMPED IN PLACE (I.E. NOT LOOSE)!

CONNECT THE SAW TO THE MAINS SUPPLY!

Give the machine a 'quick' burst check (i.e. quick ON-OFF) to ensure everything is O.K. If everything is satisfactory, the table saw is ready for use.

WARNING! KEEP TOOLS AND EQUIPMENT OUT OF THE REACH OF YOUNG CHILDREN!

UNDER NO CIRCUMSTANCES SHOULD CHILDREN BE ALLOWED IN THE WORK AREAS!

Feeding the Work by Hand

CONNECT A DUST EXTRACTON MACHINE TO THE DUST EXTRACTION OUTLET ON YOUR TABLE SAW!

Start up the saw, wait until it has reached full speed and slowly feed the timber through using both handles, (making sure to keep your hands well clear of the blade and using a push stick for small pieces), until the timber is behind the riving knife. Switch off the saw, wait until the blade has come to a complete stop and remove the timber, see figs 76-77.

Fig 76

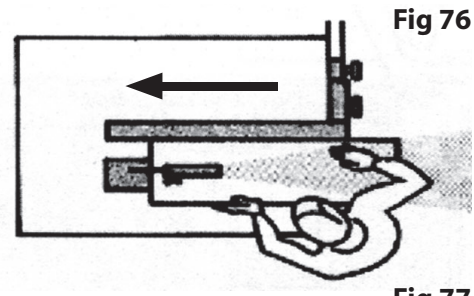
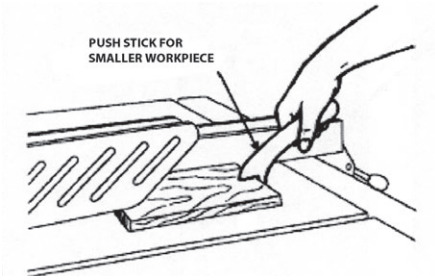


Fig 77



NOTE: Secure larger pieces of timber to the table by using the clamp assembly (S), see page 23.

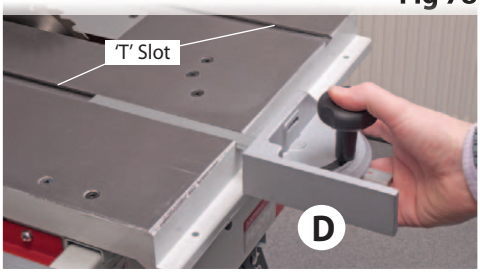
Cutting Narrow Pieces

Use the small flat surface of the fence (E-Q) to cut thin timber narrower that 120mm, see fig 65. Use a push stick.

The Mitre Fence

The mitre fence (D) can be mounted on either side of the saw blade in the two 'T' slots, pre machined into the saw table, see fig 78. The mitre fence can be angled from 90˚ to 45˚ degrees, see fig 79-80.

Fig 78



Continues Over...

Fig 79

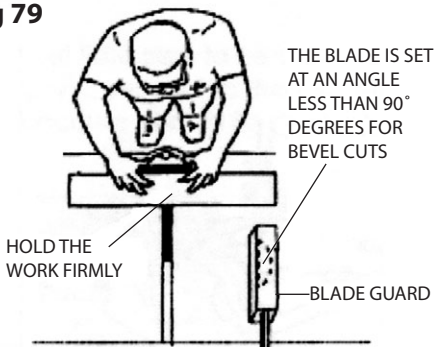
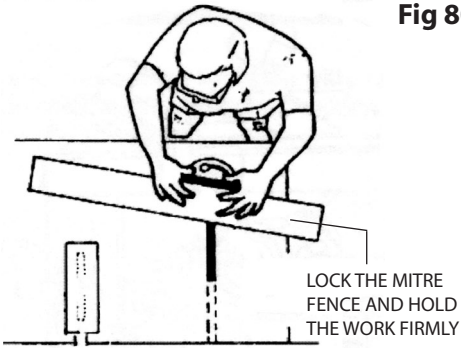


Fig 80



Changing the Saw Blade

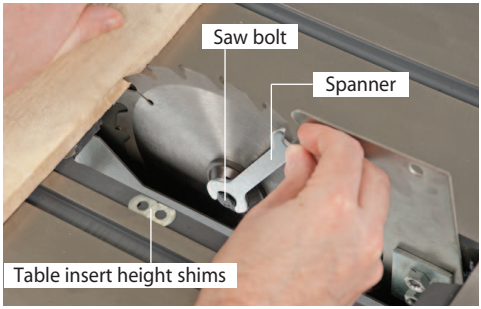
1). Raise the saw blade to its highest point, remove the saw blade guard, remove the four Hex screws that secure the table insert, place carefully aside and remove the table insert, see fig 81. Using the spanner provided, put the spanner onto the flats on the bolt and place a peace of timber up against the saw blade to stop it from moving, see fig 82.

NOTE: BE CAREFUL NOT TO DISTURB THE SHIMS BENEATH THE TABLE INSERT IF FITTED AS THE SHIMS ARE SET SO THE TABLE INSERT IS LEVEL WITH THE TABLE SURFACE!

2). Slacken off the saw bolt **(remember right hand thread)**. Remove the saw nut, then remove the sawplate washer and the saw blade, see figs 83-84. It would be a good time to give the interior of the machine, the dust extraction channels, etc. a thorough clean.

Fig 81

Fig 82



3). Check the new blade for damage, missing teeth, sharpness etc. Fit the new blade, ensure that the teeth are pointing towards the front of the machine. Put the sawplate washer onto the shaft and twist on the saw bolt. Spin the bolt up finger tight and check the saw is correctly seated.

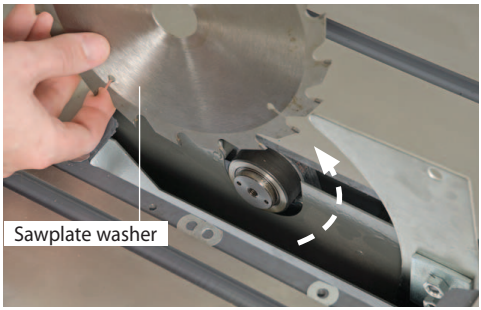
4). Place the piece of timber against the blade as before and tighten up the saw bolt, check the riving knife is aligned with the saw blade, and correctly positioned. Replace the table insert and secure with the four Hex screws. Replace the saw blade guard. When everything is satisfactory, turn the saw blade once by hand to check it doesn't foul anywhere.

5). Reconnect the machine to the mains supply. Give the machine a 'quick' burst check (i.e. quick ON-OFF) to ensure everything is O.K. If everything is satisfactory, continue to use the machine.

6). Check the old blade for sharpness, missing teeth, resin build up, etc., clean if necessary and send for refurbishment/resharpening if required. If the blade is not to be re-sharpened, clean and pack away in its storage case.

Fig 83

Fig 84



Maintenance

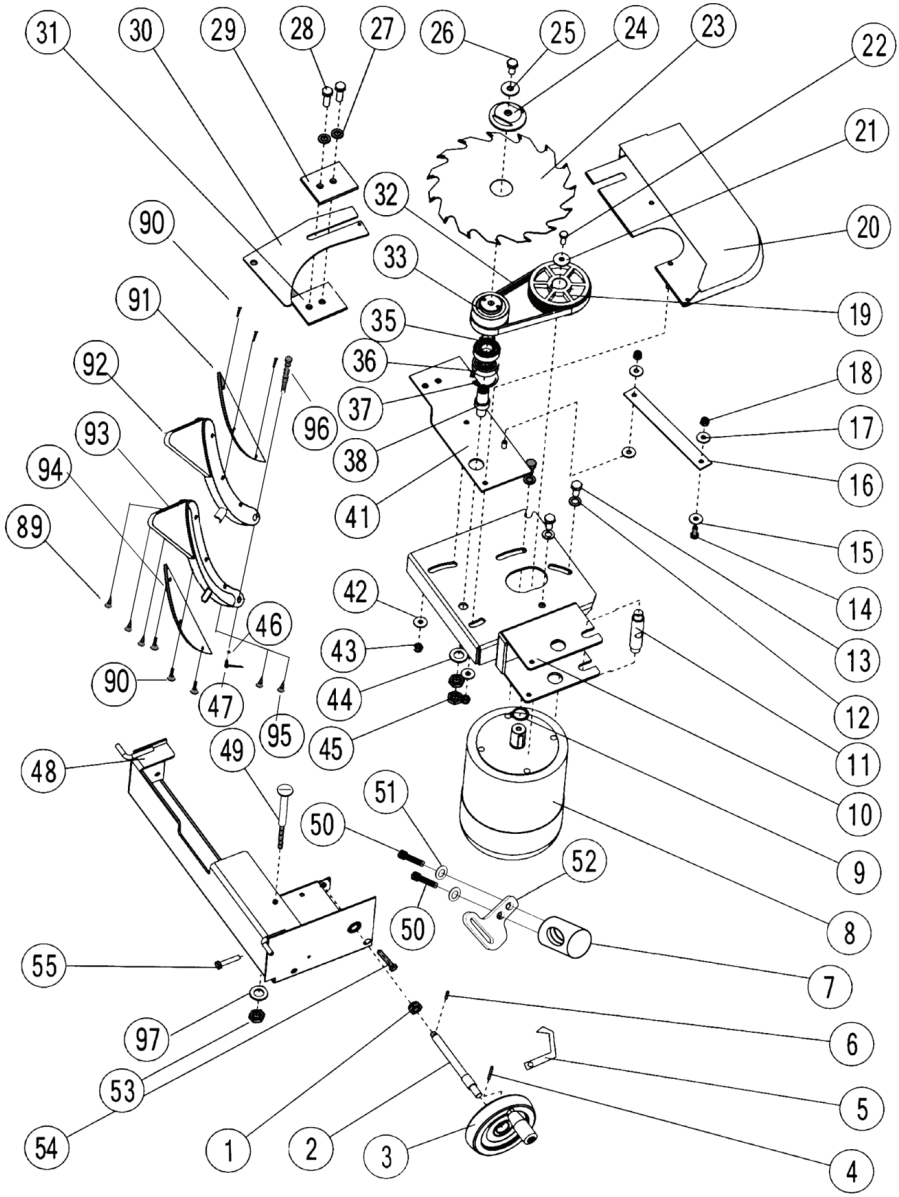
1). Keep the saw as clean and free from saw dust build up as is practical. Periodically, remove the saw gullet and vacuum out and clean out the saw box and the extraction housing. Remove any resin build up in the saw box, using a proprietary resin cleaner.

2). Clean the threaded drive shafts of the rise and fall and tilt mechanisms. At the same time check the belt drive, i.e. the belt is not 'glazing' with resin build up, likewise with the pulley wheels. Check the belt tension. If the belt is becoming slack, loosen the motor hold down bolts and drive the motor backward with its adjusting bolt.

3). Check the saw blade regularly for chipped, missing, damaged teeth etc. and remove any resin build up from the blade, riving knife etc.

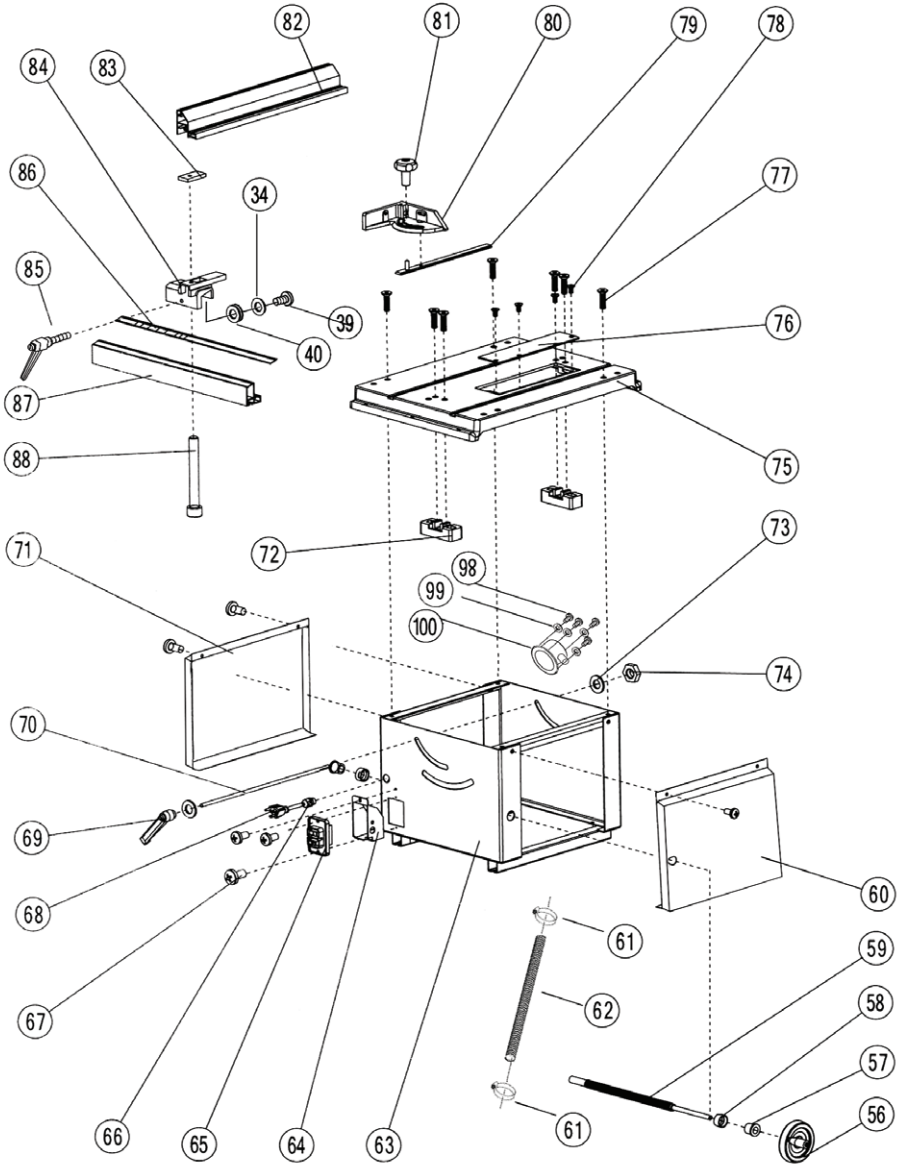
4). If you have finished using the saw bench, clean above and below the work table and using a damp cloth wipe the saw bench over. If the saw bench is not going to be used for a period of time, smear a light coat of oil over the work table and place a dust sheet over the saw bench.

Parts Breakdown/List



Part No	Description	Q'TY
1	Set screw	1
2	Shaft	1
3	Hand wheel	1
4	Pin	1
5	Sharp	1
6	Pin	1
7	Screw	1
8	Motor	1
9	C-Spring	1
10	Motor guidance plate	1
11	Arbor	1
12	Washer	3
13	Set screw	3
14	Set screw	2
15	Washer	1
16	Long plate	1
17	Washer	1
18	Nut	2
19	Motor pulley	1
20	Extractor connecting piece	1
21	Washer	1
22	Set screw	1
23	Riving Knife (Splitting wedge)	1
24	Flange	1
25	Washer	1
26	Set screw	1
27	Washer	2
28	Set screw	2
29	Holding plate A	1
30	Riving Knife (Splitting wedge)	1
31	Holding plate B	1
32	Poly-V belt HR410	1
33	Spindle pulley	1
34	Washer 5	2
35	Ball bearing	1
36	Ball bearing	1
37	C-Spring	1
38	Shaft	1
39	Flat head screw M5	1
40	Press block	1
41	Supporting plate	1
42	Washer	2
43	Nut	2
44	Washer	1
45	nut	2
46	Washer 6	1
47	T-nut M6	2
48	Sawing base	1
49	Pin	1
50	Set screw	1
51	washer 6	1
52	Connecting plate	1
53	Lock bolt M5	1
54	Screw	1
55	Screw	1
56	Hand wheel	1
57	Screw M20	2
58	Nut M20	1
59	Threaded shaft	1
60	Plate	1
61	Clamp	2
62	Dust extraction pipe	1
63	Base	1
64	Switch Box	1
65	Switch	1
66	Clamp for cord	1
67	Set screw	4
68	Power Cord	1
69	Washer	1

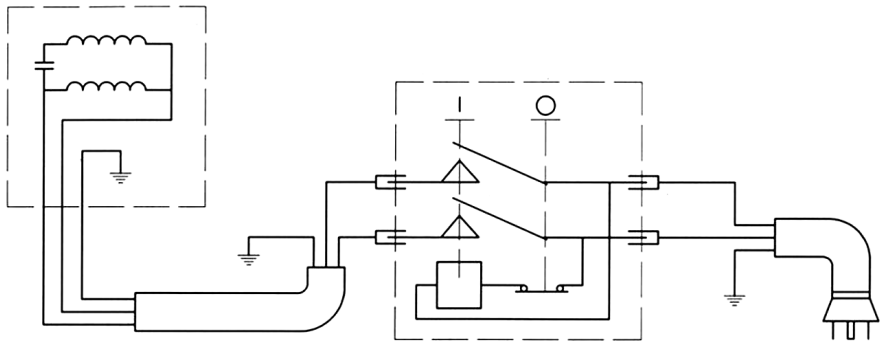
Parts Breakdown/List



70	Arbor	1
71	Plate	2
72	Supporting rear	2
73	Washer	2
74	Nut M20	1
75	Table	1
76	Cover	1
77	Screw	6
78	Screw	4
79	Pin	1
80	Scale	1
81	Lock handle	1
82	Stop ruler	1
83	Plate	1
84	Guide	1
85	Lock handle	1

86	Scale	1
87	Guide	2
88	Bolt	1
89	Tap screw 4 x12	1
90	Flat head screw M4 x 8	6
91	Right protection plate	1
92	Flat head screw M4 x 8	1
93	Safety screen (right)	1
94	Left protection plate	1
95	Tap screw 4 x 24	2
96	Lock bolt	1
97	Washer 5	1
98	Screw M5 x 12	4
99	Washer5	4
100	Dust cover	1

Wiring Diagram



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